Original instructions

AVANTI ANCHOR – SAFETY POINT

User´s, Maintenance and Installation Manual

AVANTI ANCHOR – SAFETY POINT

User‘s Manual and
Installation Instructions

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LLOYD'S REGISTER QUALITY ASSURANCE · ISO9001
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AVANTI Established 1885

Declaration of Conformity

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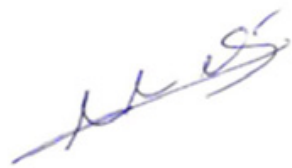
herewith declares that the model: **AVANTI ANCHOR**

conforms to the design requirements for single user anchor devices for use in combination with personal fall protection systems as specified on the following standard:

EN 795:2012 **Personal fall protection equipment. Anchor devices**

Place: ***La Muela***
Date: ***03/04/2013***

Signature:
Name: Alejandro Ríos Nerín
Identification: Technical Director



Cautions

AVANTI ANCHOR is an anchor point used for protection against falls from heights. It is intended for use with an energy absorber approved according to EN 355 in Europe, ANSI Z359.1-2007 in USA and Z259.11 in Canada.
This energy absorber is connected to a full body harness approved according to EN 361 in EU, Z359.1-2007 in USA and Z259.10-12 in Canada. Connection to the ANCHOR is only allowed by using self-closing connectors according to EN 362 in EU, Z359.1-2007 in USA and Z259.12 in Canada.

User shall be equipped with a means of limiting the maximum dynamic forces exerted on the user during the arrest of a fall to a maximum of 6 kN.

Use in connection with other equipment than specified, may be potentially dangerous. In case of doubt, please contact AVANTI.

The maximum load that can be transmitted in service from the anchor device to the structure is 22.5 kN in ± 5° vertical direction. The maximum deflection of the ANCHOR that can occur in service is 20 mm.

AVANTI ANCHOR is tested and approved only to be mounted on AVANTI ladders.

The materials used on the anchor device are stainless steel and PE HD for the locking plug.

This manual shall be supplied in language of sale.

Activities at height are dangerous and may lead to severe injury or even death. Gaining an adequate apprenticeship in appropriate techniques and methods of protection is important and is your own responsibility. Users are obliged to read and understand this User Manual. Further they need to be proper equipped and instructed with the use of the necessary fall arrest equipment and emergency procedures in case of injury or sudden illness.

Users going to install AVANTI ANCHOR need to be familiar with the installation section of this manual.

It's essential to the safety, that the user always attach the energy absorber as high as possible above his/her position, to minimize the fall distance the most possible in case of a fall.

The position of the anchor point is crucial in case of a fall arrest – the height of the fall, elongation of lanyard and energy absorber or pendulum movement of the user should be considered in order to minimize the risk of impact in obstacles in case of a fall.

It is prohibited to do any modification or use non-original AVANTI components when assembling AVANTI ANCHOR. Re-use of demounted AVANTI ANCHORS or parts is not allowed.

Any changes or other uses beyond this manual are strictly forbidden.

Danger

The AVANTI ANCHOR is only to be used by one person at a time. It is strictly forbidden to carry out climbing or work if the person is in unfit mental or physical condition. Climbing and working under the influence of alcohol, drugs or any medication which can interfere with the safety are also prohibited.

If there are any doubts to the safety of the AVANTI ANCHOR , or parts of it aren't properly fixed, deformed or damaged with cracks or similar incompatibilities it may not be used – Please contact the manufacturer immediately.

In case of corrosion immediately remove the AVANTI ANCHOR.

Observations:
Only to be used by instructed workers!

Only to be used for preventing fall in direction of the arrow!

Only to be used for fall arrest, not to hoist or hang in goods or similar!

Before attaching to the ANCHOR, check that its sitting is properly fixed and that plugs are sitting tight and properly.

If AVANTI ANCHOR has arrested a fall it may never be used again.

Marking

Marking on Anchor plate:

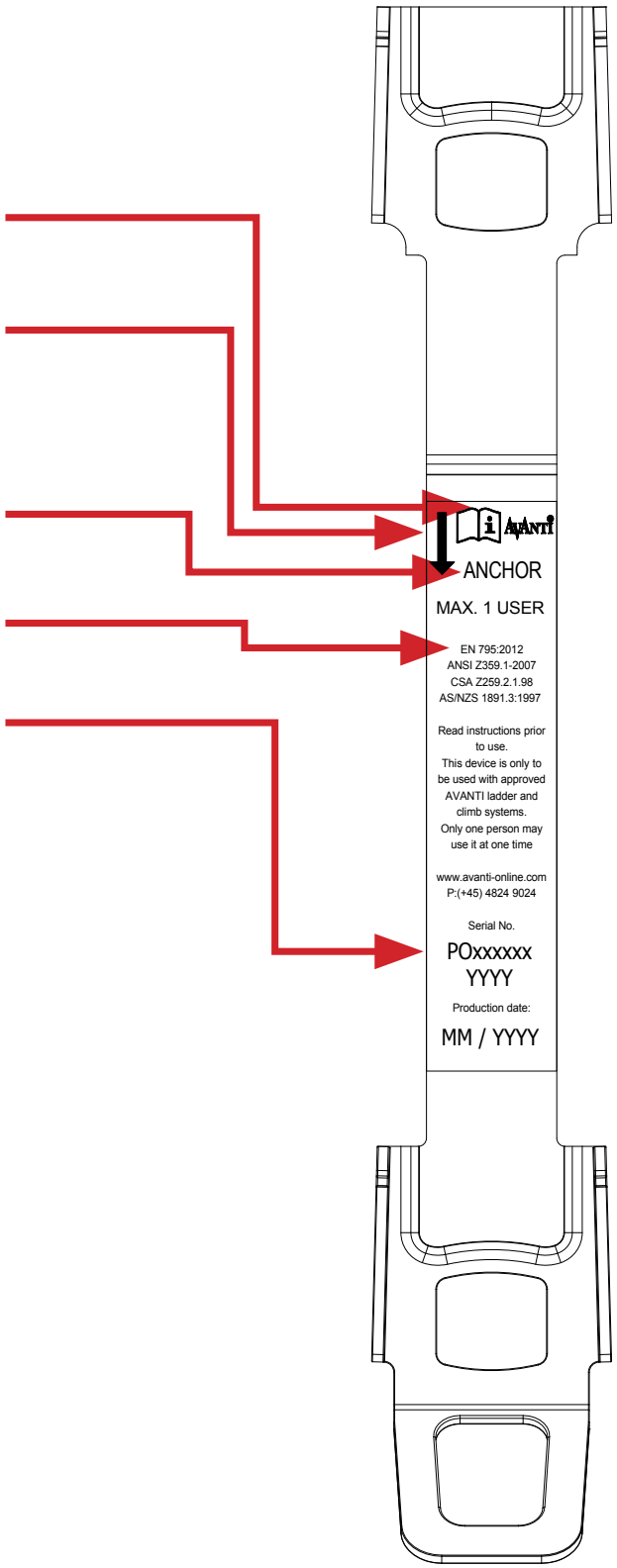
Read instructions before use

Direction for prevention of fall (downward) when mounted on ladder

AVANTI product name

EN standard number

Unique identification number



Marking

Marking on (both sides of) clamp:
This anchor point is only for use in connection with personal fall arrest equipment. Connection to a full body harness according to is allowed in the A-marked Fall Arrest-attachment on front- or backside, whatever is considered most advantageous. It is forbidden to use the AVANTI ANCHOR for attachment of hoists, goods or the like!

Installation

AVANTI ANCHOR is tested and approved only to be installed on AVANTI ladders with 60x25 mm stiles and 27x29 mm rungs. In case of doubt, please contact AVANTI. The ladder and its installation must comply with EN ISO 14122-4 and EN 131 in EU, and/or with ANSI 14.3 in USA. AVANTI recommends the owner / installer to verify the suitability of the ladder installation, for example by consulting the manufacturer or a qualified engineer.

The installation must be performed by a competent person following the installation form in this manual.

Before installing the AVANTI ANCHOR in heights, assure to be proper secured against fall from height by using relevant fall arrest equipment.

1. Mount the stile clamp on to the stile (fig.1) and press the clamp in proper/tight position on top of the chosen rung (fig.2)

2. Insert the anchor plate between stile and clamps (fig.3), and pull downwards in the direction of the arrow.

3. With a soft face hammer, gently tap on top of the anchor until plate and rung openings are aligned (fig.4).

4. Insert the plugs and gently tap with the soft face hammer (fig.5) until plugs are fully seated (fig.6).

5. Make sure that plugs are fully seated, and that clamps (fig.7) and plate are in place.

6. Carry out the annual inspection by following the procedure in the section “Inspection”.

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Maintenance and storage

If the ANCHOR gets dirty clean with plain water, and wipe water off with a dry rag.

Store the anchor in a dry environment and always kept away from acid, paints or similar. During transportation or storage, do not squeeze ANCHOR beneath heavy goods.

Lifetime
It is well-known that equipment deteriorates progressively in use. It is difficult to give an exact lifetime, because it depends on the intensity and frequency of use and the environment in which the equipment is used.

Inspection

Before use
Each time using the AVANTI ANCHOR the user inspects the ANCHOR visual and manually by twisting / pulling. Check the parts are proper fixed and free of deformities, damages, cracks or similar unacceptable defects.

Periodical examination
A periodic examination at least every 12 month is essential for the safety of the AVANTI ANCHOR. The examination must be performed by a competent person following the inspection form in this manual. For the AVANTI ANCHOR the competent person only needs to be trained in any metallic component covered by the European standard norms for fall arrest equipment.
The result of the periodic examination must be recorded in the equipment registration form included in this documentation.

Inspection form

Anchor device:	Manufacturer:	
	Type:	
	Model:	
	Identification number:	
Ladder:	Manufacturer:	
	Product:	
	Permissible tensile and transverse forces:	
Name of person in charge of intallation:		
Address and location of installation:		
Name / address of installation company:		

	OK	not OK
1. Ladder does not show any deterioration.		
2. Anchor does not show cracks, deformities, corrosion or other damages.		
3. Anchor installed on the ladder according to the instrucions.		
4. Anchor marking is clearly readable.		

Is the Anchor in good condition to be used?

Yes	Needs Repair	Replace

Signature of competent:

Name of competent in capital letters:

Date:

Registration form

Avanti Anchor	Identification no.:	Avanti Wind Systems A/S DK-3400 Hillerød Tel:+45 48 24 90 24 Fax: +45 48 24 91 24 www.avanti-online.com

Date of purchase:	Date first put into service:

Periodic examination and repair history

	Reason for entry (per. examination)	OK / not OK	Inspector	Periodic examination next due date

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